

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An electroluminescent (EL) display device comprising an array of display pixels, each display pixel comprising an EL display element and a current source circuit for driving a current through the EL display element in dependence on a data voltage, wherein the display device is operable in at least first and second phases within each frame period:

the first phase having a first duration and during which a first one of a first plurality of drive currents can be driven through the EL display element; and

the second phase having a second duration, different to the first duration, and during which a second one of a second plurality of drive currents can be driven through the EL display element, wherein the first and second ones of the respective pluralities of

drive currents are independently selectable and at least one of the first and second pluralities of drive currents include more than two drive current levels, and wherein the first plurality of drive currents comprises a number n of drive current levels including zero, and wherein a duration of one phase is approximately n times a duration of the other phase.

Claim 2 (Canceled)

3. (Currently amended) A device as claimed in ~~claim 2~~ claim 1, wherein n is 8.

4. (Previously Presented) A device as claimed in claim 1, wherein the first plurality of drive currents is the same as the second plurality of drive currents.

5. (Currently amended) A device as claimed in ~~any one of claims 1 to 3~~ claim 1, wherein the first plurality of drive currents comprises a first number n of drive current levels for providing the lowest n non-zero brightness levels, and the second

plurality of drive currents comprises a second number  $m$  of non-zero drive current levels for providing the highest  $m$  brightness levels, where  $n+m$  is the total number of brightness levels.

6. (Previously Presented) A device as claimed in claim 1, wherein each pixel comprises a drive transistor, a storage capacitor for storing a gate voltage of the drive transistor and an address transistor for switching a data voltage to the gate of the drive transistor during an addressing phase.

7. (Currently amended) A portable electronic device ~~(40)~~ comprising a display device as claimed in claim 1.

8. (Currently amended) A method of driving an electroluminescent (EL) display device comprising an array of display pixels, each display pixel comprising an EL display element and a current source circuit for driving a current through the EL display voltage in dependence on a data voltage, the method comprising:

in a first phase having a first duration, driving a first one

of a first plurality of drive currents through the EL display element; and

in a second phase having a second duration, different to the first duration, driving a second one of a second plurality of drive currents through the EL display element, wherein the first and second ones of the plurality of drive currents are selected to provide a desired combined EL display element output, and at least one of the first and second pluralities of drive currents includes more than two drive current levels, and wherein the plurality of drive currents comprises a number n of drive levels, and wherein a duration of one phase is approximately n times a duration of the other phase.

Claim 9 (Canceled)

10. (Currently amended) A method as claimed in ~~claim 9~~ claim 8, wherein n is 8.

11. (Currently amended) A method as claimed in ~~any one of claims 8 to 10~~ claim 8, wherein the first plurality of drive

currents is the same as the second plurality of drive currents.

12. (Currently amended) A method as claimed in ~~any one of claims 8 to 10~~ claim 8, wherein the first plurality of drive currents comprises a first number  $n$  of non-zero drive current levels for providing the lowest  $n$  brightness levels excluding zero, and the second plurality of drive currents comprises a second number  $m$  of non-zero drive current levels for providing the highest  $m$  brightness levels, where  $n+m$  is the total number of non-zero brightness levels.

13. (Currently amended) A device as claimed in ~~claim 2~~ claim 1, wherein the first plurality of drive currents is the same as the second plurality of drive currents.

14. (Currently amended) A device as claimed in ~~claim 2~~ claim 1, wherein each pixel comprises a drive transistor, a storage capacitor for storing a gate voltage of the drive transistor and an address transistor for switching a data voltage to the gate of the drive transistor during an addressing phase.